

DETERMINATIONS OF SOME TEXAS COLEOPTERA, WITH RECORDS.

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ON account of personal interest in the insect fauna of Texas, due mainly to my first entomological collecting trip in the state (to Galveston, in May, 1904, as a member of a party under direction of Dr. F. H. Snow, for the University of Kansas), the writer consented to identify some beetles from the collection of the Agricultural and Mechanical College of Texas, at College Station, Brazos county, on the request of Prof. A. F. Conradi, then acting state entomologist. As a motive for the work other than the advantage accruing to the college collection, Professor Conradi proposed that a list of determinations thus obtained would be helpful in making up a general list of the Coleoptera of Texas, and the names and records herewith show the results of study of the specimens which he furnished. All determinations were personally made by comparison with named specimens in the collection of beetles of the University of Kansas, together with the aid of literature, excepting those species so indicated in the list, where special credit is given to the authority to whom the specimens were submitted in cases of uncertainty. With the exception of *Balaninus victoriensis* Chitt., all of the beetles were collected in Texas, mostly at the Agricultural and Mechanical College, to which institution they have been returned, less a few duplicates retained by kind permission. The student will notice that many dates of collecting occurred in early spring and, in fact, winter months, which indicates that where mild winters prevail a long season for insect activity is permitted.

The arrangement follows Henshaw's check-list by numbers when given.

Family CICINDELIDÆ.

- 19a *Cicindela scutellaris* Say, var. *unicolor* Dejean. Wellborn, Brazos river, March 22, 1904.
32 *Cicindela vulgaris* Say. Wellborn, Brazos river, March 22, 1904.

Family CARABIDÆ.

- 184 *Calosoma lugubre* Le Conte. College Station.
220 *Scarites subterraneus* Fabricius. College Station, March 31, 1904.
387 *Bembidium variegatum* Say. College Station, May 9, 1903.

- 617 *Evarthrus heros* Say. Comanche, March 17, 1904.
- 847a *Casnonia pennsylvanica* Linnæus, var. *suturalis* Chaudoir. College Station, January 30, 1903; Buffalo Springs, May 5, 1903.
- 935 *Pinacodera platicollis* Say. College Station, January 4, 1904. Striæ not deep; abdomen protrudes farther beyond elytra than with compared examples, regarding which Mr. Charles Liebeck has written: "About the usual form; the extent of abdominal segment beyond the elytra is variable."
- 1068 *Discoderus impotens* Le Conte. College Station, May 1, 1904. Determined by Charles Liebeck.
- 1120 *Harpalus gravis* Le Conte. Waco, September 20, 1902. Collected by L. H. Scholl.
- 1201 *Anisodactylus piceus* Le Conte. College Station, February 27 and May 1, 1904; Avalon, April 12, 1904. The brownish-tinged examples were probably freshly emerged when captured; hence, had not developed to black.

Family GYRINIDÆ.

- 1539 *Dineutes carolinus* Le Conte. College Station.

Family COCCINELLIDÆ.

- 3064 *Cycloneda sanguinea* Linnæus. College Station, May 12, 1904; also May 10, 1905 (C. E. Sanborn). Predaceous on plant-lice.
- 3065a *Olla abdominalis* Say. Sabinal, May 24, 1904.
- 3084 *Exochomus constrictatus* Mulsant. College Station, May 10, 1905 (C. E. Sanborn). Predaceous on plant-lice.
- 3098 *Brachyacantha bollii* Crotch. College Station, June 4, 1903. Determined by Charles Liebeck as "large form." The yellow spaces of basal and median portions of elytra are solidly fused, without any indication of spots. Also taken at College Station, May 10, 1905, by C. E. Sanborn, who reported it as predaceous on plant-lice.
- 3135 *Scymnus terminatus* Say. College Station, August 8, 1904.
- 3156 *Scymnus tenebrosus* Mulsant. College Station, May 10, 1905 (C. E. Sanborn). Predaceous on plant-lice.

Family EROTYLIDÆ.

- 3202 *Languria tædata* Le Conte. College Station, April 12, 1903.

Family ELATERIDÆ.

- 4085 *Lacon rectangularis* Say. College Station, February 27, 1904.

Family BUPRESTIDÆ.

- 4575 *Psiloptera drummondi* Laporte and Gory. College Station, June 20, 1902. Determined by Charles Liebeck.
- 4639a *Chrysobothris femorata* Fabricius, var. *alabamæ* Gory. Kosse, April 19, 1904.
- 4750 *Agrilus muticus* Le Conte. College Station, April 28, 1903, and April 7, 1904.

Family MALACHIDÆ.

- 5007 *Collops balteatus* Le Conte. Wellborn, Brazos river, March 29, 1903; College Station, July 27, 1902.

Family CLERIDÆ.

- 5215a *Chariessa pilosa* Say, var. *onusta* Say. College Station, April 13, 1903.

Family PTINIDÆ.

5356 *Amphicerus bicaudatus* Say. Corsicana, March 11, 1904.

Family SCARABÆIDÆ.

5535 *Aphodius serval* Say. College Station, January 7, 1904. Smaller than compared examples, more deeply striate with confluent punctures, and with slightly different markings, regarding which Mr. Charles Liebeck has written: "About the usual size; markings variable."

5581 *Ochodæus biarmatus* Le Conte. Sabine, May 24, 1904.

5591 *Bolboceras lazarus* Fabricius. College Station, April 14, 1904.

5691 *Macroductylus angustatus* Beauvois. College Station, March 30, 1904.

5692 *Macroductylus uniformis* Horn. College Station, March 30, 1904.

5742 *Lachnosterna torta* Le Conte. College Station, July 8, 1904.

5894 *Allorhina nitida* Linnæus. College Station, July 23, 1904.

5901 *Euphoria kernii* Haldeman, (typical). Cedars, May 28, 1904.

5941 *Trichius viridulus* Fabricius. Wellborn, Brazos river, March 30, 1904.

Family CERAMBYCIDÆ.

5953 *Malldon dasystomus* Say. College Station.

5955 *Malldon serrulatus* Le Conte. Wellborn, Brazos river, June 24, 1904.

5962 *Prionus inbricornis* Linnæus. College Station, May 1, 1904.

6008 *Callidium antennatum* Newman. College Station, February 5, 1903.

6038 *Chion cinctus* Drury. Victoria, August 13, 1904.

6050 *Romaleum atomarium* Drury. College Station, June 10, 1904.

6115 *Callichroma plicatum* Le Conte. No data.

6127a *Tragidion coquus* Linnæus, var. *fulvipenne* Say. College Station, February 16, 1903.

6196 *Neoclytus luscus* Fabricius. Wellborn, Brazos river, June 24, 1904.

6201 *Neoclytus erythrocephalus* Fabricius. Wellborn, Brazos river, August 12, 1904.

6471 *Ataxia crypta* Say. Manor, October 5, 1904.

Family CHRYSOMELIDÆ.

6725 *Fidia viticida* Walsh. No data.

10352 *Fidia cana* Horn. Dripping Springs, May 17, 1904. Determined by Charles Liebeck. Badly crushed and broken.

6800 *Chrysomela disrupta* Rogers. Courtney, October 7, 1902. Collection of L. H. Scholl.

6821 *Chrysomela auripennis* Say. College Station, December 12, 1903.

6978 *Haltica nana* Crotch. College Station, September 19, 1903. Verified by Charles Liebeck.

7032 *Mantura floridana* Crotch. College Station, May 1, 1903.

7051 *Chætocnema opacula* Le Conte. College Station, May 1, 1903.

7055 *Chætocnema confinis* Crotch. College Station, May 1, 1903.

Family TENEBRIONIDÆ.

7179 *Conœcus ovipennis* Horn. Comanche, August 17, 1901. Determined by Charles Liebeck.

— *Emmenastus convexus* Le Conte. Coleman, August 23, 1902.

7201 *Epitragus acutus* Le Conte. Sabinal, May 24, 1904.

7359 *Eleodes seriata* Le Conte. College Station.

7426 *Opatrinus aciculatus* Le Conte. College Station, December 20, 1903.

7438 *Blapstinus pratensis* Le Conte. Colorado, August 11, 1903; College Station, April 12, 1903, and February 27, 1904.

7573 *Helops farctus* Le Conte. College Station, June 10, 1904.

Family MORDELLIDÆ.

7780 *Mordella scutellaris* Fabricius. College Station, September 16, 1902.

Family ANTHICIDÆ.

7869 *Eurygenius wildii* Le Conte. No data.

Family MELOIDÆ.

8018 *Henous confertus* Say. College Station, May 28, 1903; Wellborn, Brazos river, June 24, 1904.

8083 *Epicauta sericans* Le Conte. Montgomery, August 24, 1903.

8123 *Pomphopœa texana* Le Conte. Thornberry, April 4, 1903.

Family ATTELABIDÆ.

8224 *Attelabus analis* Illiger. College Station, July 27, 1904.

Family OTIORHYNCHIDÆ.

8242 *Ophryastes vittatus* Say. Comanche, November 14, 1904.

8326 *Achrastenus griseus* Horn. Lovelady, March 24, 1904; Grape Vine, no data; Sidney, April 4, 1904. Determined by Charles Liebeck.

8340 *Eudiagogus pulcher* Fahræus. Wellborn, Brazos river, August 27, 1904; College Station, January 30, 1903.

Family CURCULIONIDÆ.

8370 *Apion ovale* Smith. Rockdale, June 22, 1901.

8478 *Pachylobius picivorus* Germar. Hughes Springs, May 11, 1904; College Station, June 10, 1904; De Kalb, August 1, 1904. The last was in prime condition, neither rubbed nor smeared.

8546 *Desmoris constrictus* Say. College Station; Center Point, June 1, 1904. Regarding this species Prof. A. F. Conradi has written: "This species occurs abundantly over the entire settled portions of the state of Texas definitely known."

8615 *Magdalis barbity* Say. Howe, March 22, 1904.

10985 *Anthonomus grandis* Boheman. College Station, June 12, 1904.

8726 *Conotrachelus naso* Le Conte. College Station, October 20, 1904.

8741 *Rhysematus palmacollis* Say. Frost, May 28, 1904. "Hillsboro, Malakoff, Victoria, and in fact it occurs all over the state," writes Professor Conradi. Variety, with costæ, apical margin and spots on elytra rusty red colored. Verified by Charles Liebeck.

8746 *Chalcodermus æneus* Boheman. Denison, June 27, 1904.

8760 *Acalles porosus* Le Conte. San Antonio, March 30, 1904; Martindale, April 14, 1902.

8902 *Aulobaris ibis* Le Conte. College Station, December 18, 1904.

— *Balaninus victoriensis* Chittenden. Mead, Indian Territory, September 20, 1904; Lone Wolf, Oklahoma, September, 1904. Determined by F. H. Chittenden.

Family BRENTHIDÆ.

8967 *Eupsalis minuta* Drury. Wellborn, Brazos river, June 24, 1904.

Family CALANDRIDÆ.

8990 *Sphenophorus cariosus* Olivier. Moody, March 25, 1904. Determined by F. H. Chittenden.

9006 *Sphenophorus compressirostris* Say. No data. Determined by F. H. Chittenden.

Family ANTHRIBIDÆ.

9222 *Cratoparis lugubris* Olivier. College Station, January 4, 1904.

SUMMARY: Species personally determined 76

Species specially determined 9

Number of species reported 85